

# THE TECH

VOL. XXXI. NO. 163

BOSTON, MASS., TUESDAY, MAY 7, 1912

PRICE TWO CENTS

## ENGINEER ADDRESSES MECHANICAL SOCIETY

### Cotton Mill Expert Describes Modern Methods and Machinery.

"The Development of a Fine Goods Cotton Mill" was the subject of a lecture before the Mechanical Engineering Society yesterday afternoon in 11 Engineering B. The speaker was Mr. Charles M. Mumford, who is associated with the Lockwood-Green Company, manufacturers of fine cotton goods. He made his lecture doubly interesting with numerous slides, showing the floor plans of the mill, arrangement of the machinery and views of the buildings.

Mr. Mumford spoke of the advancement made in the construction of mills. The old ones had low, poorly lighted stories, with the aisles between machines running lengthwise of the building, tending to cut off the light from the side windows. The water wheels were all in one end of the mill, and vertical belt drives transmitted the power to the different floors. In the particular mill that he discussed the weaving was done on the first and second floors, the picking, carding and roving on the third, spinning on the fourth and fifth, and spooling and drawing in the attic. This arrangement made a great deal of trucking and transportation by elevator necessary, and the power transmission was most inefficient as well.

He then considered the plant of the Lockwood-Green Company as an example of modern mills. Since steam power has come more into use, both as an auxiliary to the water power and to run the entire mill, proximity to a large stream is unnecessary. The Lockwood mill is built near a creek, which supplies them with water for the power plant, which is centrally located, and for fire protection. The power is transmitted by a very efficient rope drive, but electric motors are used on the machines remote from the main engine. The different departments are situated so as to reduce handling the goods to a minimum, and so that the output of the mill may be changed on short notice. The carding and picking machines are separated from the rest with glass partitions to keep the lint from penetrating the other rooms. Most of the motors drive four machines, and those of about 75 horse-power are suspended from the ceiling. The comparative absence of overhead shafting, arrangement of aisles, and sixteen-foot stories make the mill unusually well lighted.

Mr. Mumford also spoke of the practice in English mills of having a number of small units, each complete in themselves, but said that this (Continued to Page 3.)

## MECHANICALS' TRIP.

The Mechanical Engineering Society has made arrangements for a trip to the Robb Engineering Company in South Framingham, to take place on Tuesday, May 7. As a large number of men are expected to go a special car has been chartered to take them to South Framingham. The car will leave Park square on Tuesday, May 7, at 1.45 P. M. sharp, and no man will be waited for. Tickets are fifty cents for the round trip, and members who desire to go are requested to buy their tickets from the officers of the society as soon as possible.

## BIOLOGICALS HEAR FIVE GOOD SPEECHES

### Hold Their Annual Banquet at The Technology Club—To Change Name.

Sixteen men enjoyed the annual banquet of the Biological Society which was held last night at the Technology Club. After an excellent course dinner the members considered a motion to change the name of the society to the "Biol-Sanitary" Society. This matter was left until the last meeting of the year, when the election of officers takes place. The question of the extension of the tenure of office to cover two terms instead of one, was also left until the next meeting, which will probably be held Thursday afternoon of this week.

The president then introduced Professor George C. Whipple of Harvard, who spoke on the work that he has done in purifying the water of Milwaukee and Pittsburgh. Professor Whipple graduated from the Institute in 1889 as a civil engineer.

He explained the situation in Milwaukee as it was several years ago. All sewage was discharged into three sluggish streams that ran through the city on their way to Lake Michigan. There were normally three million gallons of river water daily to dilute thirty million gallons of sewage, and consequently the water became foul. The solution of the difficulty was found when the engineers tried pumping 323 million gallons of lake water daily into the upper part of the stream. The effect was immediate, the water became clear, and fish were able to live in it. The per cent. of dissolved oxygen did not fall completely to zero until the other two untreated streams met the first one. With the increase of population it was found necessary to treat a second stream in the same way, and soon they will have to pump lake water into all. Within a few years even these measures will not be sufficient, and it will be necessary to collect the sewage and render it harmless.

Professor Whipple also spoke of the very interesting work that he did in determining how the sewage of the city reached the intake for the water plant. By a series of charts plotting the turbidity, smell, chlorine-content, bacterial-count, and number of B. coli per c. c., he was able to prove that the sewage was not rendered wholly aseptic until it had gone out six or (Continued to Page 2.)

## MOTION PICTURES.

### Thomas Edison to Spend Millions On Films for Schools.

Thomas A. Edison expects to spend \$3,000,000 and devote eight years to the work of perfecting a repertory of educational films that will meet the requirements he has set to make the moving picture useful in the school room.

A brief story of what the inventor has done so far and will do in the future was told to the New England Society of Orange, N. J., by Arthur D. Chandler, president of the Orange Board of Education. Mr. Chandler said he was sure that the boys who hate school and cannot learn from books could not help being interested and learning rapidly from motion picture screens. Edison expects to send into all corners of the earth gathering material for his films.

## SENIORS TO DINE FRIDAY EVENING

### Last Word to Be Given Relative to Senior Week—Portfolio Also Appears.

Friday evening, May 10th, will herald the first event in the list of Senior activities, in the form of the preliminary Senior dinner, which will be held at the Union at 6.30 P. M.

This function will not receive its importance as a dinner, but rather as a means of bringing together every member of the Senior class, in order that the "last word" in regard to Senior Week, as decided upon by the Class Day Committee, may be brought to the attention of the class as a unit, and also that any questions which the Seniors would like answered may be discussed and other obscure points may be made clear.

That such a gathering is imperative to the smoothness and surety in the development of an excellent Senior Week is obvious, when it is understood that by the time that examinations are concluded there will be no possibility of discussing matters of detail with the class by the aid of meetings, or through the avenue of this publication, and unless every member of Nineteen-Twelve is well informed concerning the methods of procedure at the various functions of the week, it is self-evident that disastrous effects will be bound to follow.

For this reason the price of the dinner has been made as low as was permitted, and the entire cost of the tickets will be used to defray the expenses of the dinner, as the committee have no intention of deriving any profit from the meeting, but rather, feel that in this way a more pleasing convocation of the class may be held than by any other means.

As the meeting will be strictly a student affair, and of a business nature, the speakers in all cases will be members of the Senior class, and in this way the dinner stands unique among Institute affairs of this sort, in that it is the first gathering of its kind composed wholly of students, and engaged in the consideration of student matters of interest.

Among other details which will make this gathering a noteworthy one will be the appearance of the (Continued to Page 2.)

## M. E. SOCIETY TRIP.

### Boiler Works Will Be Visited This Afternoon.

The Mechanical Engineering Society will make a visit to the Robb Engineering Company of South Framingham this afternoon. They have engaged a private car and will start from Park Square promptly at 1.45. This company manufactures boilers, and as the third-year men have boiler drawing Tuesday afternoons the trip will be unusually interesting for them. It was through the efforts of Professor Haven of Course II that the trip was made possible. All men who wish to go will have to buy tickets of one of the officers of the society some time this morning. About 45 have been sold already.

The society has planned its next meeting for Monday, May 13th, in 11 B, at 4 o'clock. Mr. Charles T. Main, former president of the Boston Society of Civil Engineers, will address them on "The Commercial Efficiency and Special Uses of the Power Plant."

## FRESH-SOPH SERIES OPENS NEXT SATURDAY

### Both Teams Indulge in Final Practice This Week For Coming Contest.

The final and most interesting baseball games of the season begin next Saturday afternoon, when the Sophomores and Freshmen cross bats at the Field.

Both teams have completed their outside schedules; the Freshmen finishing in a blaze of glory when they defeated Tufts Seconds by a score of 16 to 8. It is hard to pick the winner at this time though the Freshmen seem to have a slight advantage from present indications.

Both teams are planning strenuous practice for this week. The Freshmen will practice this afternoon at the Field, and this workout, together with one other afternoon's practice, will complete their preparation.

THE TECH was in error in the scoring of the Freshman-Tufts Seconds' game, which needs correction. The yearlings deserved twelve hits instead of ten, and three errors instead of six, which were wrongly charged to Caffery, McDevitt and Bauer.

## TECH RIFLE TEAM.

### Entered in Intercollegiate Rifle Shoot at Waltham.

Saturday the intercollegiate rifle shoot will be held at Waltham, and for the first time in many years a Tech team will be entered. The men have held general discussions on windage problems during the past few weeks, and everything has been done for getting all possible points to aid them in their scores. The grease which has been used on the bullets in pursuance of the plan adopted by the State team has worked satisfactorily so far, and the men expect that it will help them considerably on Saturday.

Saturday the men went to Waltham, and after the practice Captain Rudolph said that he was entirely satisfied with the chances of the team. The following scores were made:

	At 500	At 200
	Yds.	Yds.
Williams	47	42
Haslam	47	41
Stewart	46	45
Rudolph	42	44
Parsons	44	40
Castleman	44	40
Wardwell	43	42

The Public Gardens are in full bloom now and afford a chance for a pleasant hour of studying.

## THE WEATHER.

Forecast for Boston and vicinity: Tuesday unsettled, probably fair, with higher temperature.

## CALENDAR.

In Charge of S. H. Taylor, 1914.

Tuesday, May 7.

1.45—Mechanical Engineering Trip—Park Square.

Thursday, May 9.

1.30—Special T. C. A. Meeting.

4.00—Biological Meeting—Pierce.

Friday, May 10.

6.30—Senior Dinner—Union.

8.00—Arch. Eng. Smoker.

Saturday, May 11.

Freshman-Sophomore Series Opens—Field.

# THE TECH

Published daily, except Sunday, during the college year by students of the Massachusetts Institute of Technology.

Entered as second-class matter, Sept. 15, 1911, at the postoffice at Boston, Mass., under the act of Congress of March 3, 1879.

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Phone—Back Bay 5527 or 2180.  
Night Phone—Back Bay 5527.

Subscriptions, \$2.00 per year in advance.  
Single copies, 2 cents.

Subscriptions within the Boston Post District and outside of the United States must be accompanied by postage at the rate of one cent a copy.

All communications should be addressed to the proper departments.

Printed by Rutter, 147 Columbus Ave.

TUESDAY, MAY 7, 1912

**THOSE TECH BUTTONS.**

Vague memories of the mention of Tech buttons linger in our consciousness, and a further delving into the realms of thought brings into prominence the fact that the new insignia are about due to appear on parade. Put then, all of us dream now and then.

The first suggestion of those buttons made quite a stir; indeed the stir was of cyclonic proportions. It lured the attention of many a conscientious Tech grind from his first and only love, from the passionate pastime of demolishing an array of elongated equations with as much skill and thoroughness as if they were a row of tin soldiers. In view of that evidence of some stupendous force, also after the Institute Committee had adopted the plan with as much self gratification as a man buying a new suit, the Institute could think of doing nothing but place its only hope in those buttons. Congratulations, Major Cole, for awakening the Massachusetts Institute of Technology to a degree that many of her worthy sons have solemnly declared impossible!

It is agreed that the buttons are one of the prime essentials of Tech life. If so, the members of the Class of 1912 stand in danger of dire misfortune. Can they march out of the doors of Technology, crowned with the sacred sheepskin, but undecorated with the button of Cardinal and Gray? And yet, unless the rumor that the buttons are on the way from Paris is not vain, fate will thus blight our newest missionaries into the world. Faith must come to our aid, else we are inconsolable.

**BIOLOGICALS' BANQUET.**

(Continued from Page-1.)

seven miles into the lake. He also spoke of the effect of the wind on the direction in which the stream or foul water went.

The president then called on Professor Billings, who told of the preparatory work that he has done here that he might help direct the sanitary work of the State Board of Health of Kansas.

Professor Selskar M. Gunn spoke of the work that he had done at Milwaukee in recommending improvements in the health department. Professor Sedgwick spoke of the conditions at Pittsburgh in more detail than the first speaker had done. The last speaker, Professor Porter, told of his memories of the days when Professor Whipple was still a student at the Institute.

**NEW CONCRETE BOAT SUCCESSFUL**

**May Mean Great Advance in Building—To Holland Be-long First Honors.**

Of great interest to all scientific men of the present time are the many varied uses to which concrete is being put, the latest of which is probably the successful construction of a motor boat in Holland. The hull of the boat is 14½ feet long, and is built up of layers of wood, concrete and water-proofing material. The boat was launched early in the season and until now has stood the jolts and jars common to such craft without any signs of cracking.

The boat is equipped with a three-horse-power engine, which is supported by steel beams, and is capable of driving the craft at a speed of seven miles an hour. The frame was made of iron, covered with 1½-inch mesh, 1-16-inch wire netting.

**SENIOR DINNER.**

(Continued from Page 1.)

Senior Portfolio. The industry of the Portfolio Committee this year in the obtaining of the Senior photographs, and the promptness with which the book is issued, is indeed meritorious, and it is rumored that the Nineteen-Twelve Portfolio will mark the highest point of excellence yet attained in publications of this sort.

Another item of great interest to the class will be the announcement of the elections of the Treasurer of the Class Fund, and Graduate Secretary. The placing in office of efficient men for these positions will be the deciding factor which will determine the success of the class as an Alumni institution, and the decision of this question cannot fail to be of great interest to every loyal member of the class.

President Kebbon will act as toastmaster, and during the evening will present a review of the entire program as decided upon by the committee, and will also speak in detail concerning the reception and dance at the Hotel Somerset.

First Marshal Benbow will address the class in regard to the outcome of the Senior elections, and will also bring to the attention of the class some novel ideas, by means of which a distinctive Senior Week may be attained.

As chairman of the Portfolio Committee, Second Marshal Cremer will mention some of the details of the book and its development, and he will also discuss many things of importance concerning the Class Day exercises.

As one of the most important functions of the week, the Senior dinner will be considered by Third Marshal Eicher, and as there seems to be a bit of confusion in regard to the tickets for this affair it is believed that this time will afford an excellent opportunity to clear away any vagueness in this respect.

The recent developments concerning the affiliation of the Class of '87 with '12 in the enjoyments of Commencement have been placed under the guidance of Charlie Carpenter, and it is certain that he will have some information for the class at this time of a very good sort.

The Class Day Committee feels that this convocation of the Seniors will enable every man to attend the events of Commencement without that feeling of uneasiness which is always present when there is an uncertainty to be found in regard to minor details, and should it be successful in this respect its benefit will more than compensate for the fifty cent outlay which the dinner requires.

There are four new statues in the small ponds of the Gardens to be exhibited for a month and then shipped to other cities for display.

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# SPIKES

Williams College won its dual track meet with Amherst Saturday, 85½ points to 40½.

Colgate College won its dual track meet with Holy Cross, Saturday, 75 points to 42.

The Princeton University gun team defeated the University of Pennsylvania in their dual meet, Saturday, 205 to 148.

S. B. Wagoner, '13, equaled the Yale pole-vaulting record in the university spring games Saturday, doing 12 feet 9½ inches.

A. G. Lockwood of Belmont won the Wollaston golf cup Saturday, defeating B. E. Jones of Concord in the final round, 5 and 3.

The Princeton University tennis team defeated the University of Pennsylvania in their dual meet Saturday, six matches to two.

J. P. Nicholson of the University of Missouri equaled the world's 120-yard hurdle record of 15 1-5 seconds, Saturday, in an exhibition race at Columbia, Mo.

Louis Scott of the South Paterson A. C. won the New York modified marathon run Saturday, covering the 12 miles in 1 hour 8 minutes 28 2-5 seconds.

The Springfield High School eight defeated the Harvard Second Freshmen over a 17-8 mile course Saturday by three lengths.

### GOLF TOURNAMENT.

First Games Go to Norton, Africa, Rogers and Holmes.

Four of the eleven matches which comprise the first round of the Spring tournament have been played off with the following results: D. G. Norton beat W. T. Roberts, 4 and 3; W. M. Africa beat J. M. Beale, 1 up; Rogers beat H. G. Manning, 6 and 5; and W. N. Holmes beat F. Mackentepe, 4 and 3.

All first matches must be played off by tomorrow or the players will be given a default, and the second round played off by Saturday. The matches yet to be played in the first set are between D. V. Nason and G. W. White; J. S. Churchill and R. B. Haynes; W. Fleming and H. E. Rogers; A. L. Todd and G. P. Capen; V. H. Jayme and P. A. Russell; E. A. Downey and A. E. Howlett, and J. G. Goff and C. B. Hull. Of these Nason and Churchill will play from scratch and the others will be given handicaps ranging from one to twenty strokes, according to the former scores made by the players.

Those who have not yet received their handicaps should apply to D. V. Nason, P. A. Russell or W. N. Holmes.

### ENGINEER ADDRESSES.

(Continued from Page 1.)

could not be used successfully where the kinds of cloth manufactured varied at frequent intervals. He mentioned the fact as well that a fine goods mill must run at a much slower speed than one turning out coarse weaves. The lecture proved very interesting for the fourth-year men studying cotton machinery and its installation.

Time to start that review, isn't it?

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**FACULTY NOTICE.**  
**FOUNDRY WORK**—Illustrated lecture on Foundry Work, Course II, second year, will be given on May 6, 9 and 10 at 2 P. M., in Room 20, Eng. B.

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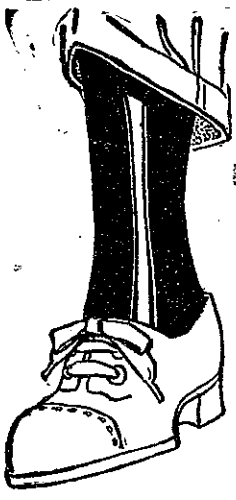
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# THE TECH

VOL. XXXI. NO. 164

BOSTON, MASS., WEDNESDAY, MAY 8, 1912

PRICE TWO CENTS

## ESTABLISHMENT OF STAGE CENSORSHIP

Question to Be Debated by Third Year Men Thursday in 6 Lowell.

The final two meetings of the Argumentation and Debate class, one of the third year options in general studies, will be open to the Institute. The first of these will be held Thursday, May 9, at 4 o'clock, in 6 Lowell, and the following question will be debated: Resolved, that a State censorship of the stage should be established.

There are to be three speakers on each side, and they will be given ten minutes each for their main speeches, and five minutes each for rebuttal. The speakers for the affirmative are F. H. Achard, C. C. Mason and E. Hurst, and those for the negative are T. R. Collins, E. C. Crocker and F. H. Pendleton. The judges will be N. Clark, C. G. Fallon and A. J. Pastene, and H. D. Peck will preside.

Professor Pearson, in charge of the course, arranged the hour to insure the presence of an audience. All who are interested are invited. The debate has been under preparation for three weeks, and convincing arguments are expected.

## EXHIBIT IN PIERCE.

Third and Fourth Year Drawings Shown in Room Forty.

An architectural exhibit of exceptional interest is being shown in Room 40, Pierce Building, this week. The work is a selection of the best designs which have been turned out by the fourth and fifth year Course 4 men this term. On account of inadequate space for exhibition of all of the drawings at one time the cardboards are being changed daily.

Plans for a building for a Congress of Learned Societies have attracted much attention during the early part of this week. A great variety of designs for a pipe organ have also been the center of much interest.

The exhibit will be open for the remainder of this week.

## CATHOLICS TO DINE.

The annual banquet of the Catholic Club will take place this evening at the Copley Square Hotel at 6 o'clock, and will be the final meeting of the present year.

Mr. David I. Walsh, who has recently been elected Democratic delegate in the Presidential primaries, will discuss the primaries and the general political outlook at the dinner.

No effort has been spared by the committee to make the dinner a success, and it is hoped by all of the officers that a large number of men will be present.

J. E. Meredith, of Mercersburg Academy, made two new world's interscholastic records in the sixteenth annual Princeton University interscholastic track and field meet, Saturday, covering the 440 in 49.15 seconds, and the 880 in 1 minute 55 seconds. Wenz of Roselle High made a new record in the two-mile run of 10 minutes 14.5 seconds. Mercersburg won the team prize with 30 points, Hill school being second with 22 1-4.

## WIRELESS SOCIETY JOINS ASSOCIATION

Institute Now Represented in New England Wireless Society.

Three delegates of the M. I. T. Wireless Society attended a meeting of representatives of the amateur wireless clubs held Monday night at Young's Hotel. Harvard and Tufts also sent three representatives. Many prominent men who have found the cause of the amateur worthy of support were present. The manufacturers of scientific and experimental sets had Mr. Eastham, of the Clapp-Eastham Company, as their representative. Mr. Emery, of Newton, who is a prominent amateur, and who owns many coastwise ships, spoke for the ship owners and the operators who work on shipboard. Mr. Proctor, of the National Electric Signal Company, represented the manufacturers of commercial instruments. Mr. Proctor is an expert operator, and it is his duty to test out plants that his company installs. A number of private operators from stations along the coast also attended and lent their support to the statements of the speakers.

The men present, almost all members of the N. E. Wireless Society, felt that since so many expert amateur operators are members of the college clubs, it would be well to have them represented in the officers of the society. They elected the following officers for the ensuing year: Mr. Eastham, president; Mr. Emery, vice-president; E. W. Chapin, of the Harvard Wireless Club, secretary, and H. E. Affel, president of the M. I. T. Society, treasurer.

A committee, composed of the president and vice-president, of Capen, the manager of the Harvard Club, and of H. B. Richmond, vice-president here, was appointed to meet regularly to attend to the matter of legislation. This committee will hold its first meeting next Monday night at Harvard.

Mr. Powers, head of the Tufts Wireless Club, spoke of his experiences with the Navy operators. He was Colonel Astor's private operator last summer, and he said that it was only the Navy yard that interfered with his messages. At one time recently, when listening to the message of a boat in the bay, he got the message right the first time, but the Navy (Continued from Page 2, Col. 2.)

## ART STAFF COMPLETE.

Five Assistants Picked For Next Year's Technique.

Stanley A. Smith, Art Editor of Technique, 1914, announces his selection of his assistants as follows: Francis Whitten, Jr., J. A. Root, F. A. Chandler, A. C. Sherman and H. W. Barker. The innovation of an Art Department of six men, instead of three, has been brought about by the increase of labor entailed by the successive advances made in the standard and number of drawings that appear in the book.

Art Editor Smith has done considerable drawing and his experience and skill in the direction of line drawings promises an excellent general standard for Technique, 1914. He and his assistants are students in the architectural course.

## CONSERVATORY GIRLS BIG FIRE VICTIMS

Three Alarms Cause Hold-up of Traffic on Huntington Ave. in Morning Blaze.

Yesterday morning one of the Dagmar Apartments, opposite the Conservatory of Music, was cleaned out by a three-alarm fire that threatened to sweep all the adjacent buildings. There were a large number of Conservatory girls and some chorus girls rescued from the thick smoke which filled all of the houses and gave the impression that they were all ablaze.

The alarm was turned in at 9 A. M., and by twenty minutes of 10 o'clock the building had been transformed into a chimney and the flames were rushing up through it with heat sufficient to melt the zinc roofing. The nine engines and the three or four ladders and water towers that responded to the different alarms were pouring streams of water into the building, but the fire burned itself out, the department serving only to check its force and to prevent it from burning through the brick wall that separated it from the adjoining house.

A large crowd collected to watch the work of the firemen, and the work on the new Y. M. C. A. buildings across the street was suspended temporarily, as was that in the Conservatory, while everybody watched the fire. All the Huntington avenue cars were held up and the passengers added to the crowds who were giving the police plenty of work. The chorus girls gave a note of burlesque to the occasion, and every one, even those who were burned out, seemed to take things in a light-hearted manner.

## NATIONAL PARKS TALK.

Public Invited to Appalachian Meeting in Hunt. Hall Tonight.

Anyone interested in national parks or in superb scenery will be welcome at the Appalachian Mountain Club meeting in Huntington Hall tonight. Mr. Herbert W. Gleason will take the audience on a tour of the national parks, of which little is known to the public. Mr. Gleason has explored spots of beauty where the lack of traveling facilities has kept the ordinary traveler at bay, and his photographs are considered a superb collection.

The recent exhibition of photographs loaned by the Department of the Interior to the Boston Public Library has served to arouse a good deal of general interest in the subject here, and Mr. Gleason's lecture will be a fitting sequel. It will begin at 8 o'clock.

The smashing of an intercollegiate and the close escape of a world's record were the features of the Yale spring track games today. The feat was performed by Stanley Blewett Wagoner of St. Louis, who cleared the bar in the pole vault at 13 feet 1-2 inches. This is an inch better than the best intercollegiate figure and is an inch below the world's figures. Wagoner won the event at the Pennsylvania games last week with 12 feet 5 inches.

Exeter is to take up rowing.

## TECH MAN SELECTED FOR BIG POSITION

F. W. Hodgdon is Chief Engineer of Directors of Port of Boston.

Mr. Frank W. Hodgdon, '76, of Arlington, has recently been appointed chief engineer of the Directors of the Port of Boston. The appointment was not unexpected, although for several months the directors have been considering the names of several prominent men.

Mr. Hodgdon is a member of the Boston Society of Civil Engineers and a former president of the society. He is also a member and director of the American Society of Civil Engineers.

## AMERICAN ARTS.

Mr. C. Howard Walker Goes to Confederation Meeting.

Mr. C. Howard Walker, a special lecturer in the Architectural Department, leaves today to attend the annual convention of the American Confederation of Arts, which takes place in Washington, D. C., during the remainder of the week. The Confederation embraces some of the most prominent men of the country in the arts and has been a great factor for artistic progress in the past.

Many papers have been prepared on different subjects and will be presented on Thursday and Friday. Among the discussions Thursday will be the following: Mr. C. Howard Walker, "Craftsmanship;" Mr. Ralph Adams Cram, "Architecture;" Mr. Herbert Adams, "Sculpture;" Mr. Percy MacKaye, "Civic Theatres;" Mr. John Alexander, "Painting;" Mr. Lee McClung, "A National School of Industrial Art." Among those Friday will be: "Town Planning," by Mr. Cass Gilbert; "Housing Problem," by Mr. Edward T. Hartman. Dr. Fairbanks, director of the Boston Museum of Fine Arts, will hold a special conference on Museum methods.

Friday evening's session will be a meeting in memory of Frank Millet, the late secretary of the Federation. At this time many distinguished speakers who have been intimately connected with Mr. Millet will talk.

Brown surely has a fine baseball team.

## THE WEATHER.

Forecast for Boston and vicinity: Unsettled, with occasional showers probably Wednesday; moderate easterly winds.

## CALENDAR.

In Charge of S. H. Taylor, 1914.

Wednesday, May 8.

6.00—Catholic Club Dinner—Copley Square Hotel.

Thursday, May 9.

1.30—Special T. C. A. Meeting.

4.00—Biological Meeting—Pierce.

Friday, May 10.

6.30—Senior Dinner—Union.

8.00—Arch. Eng. Smoker.

Saturday, May 11.

Freshman-Sophomore Series Opens—Field.

# SENIOR PORTFOLIO OUT FRIDAY MAY 10

# THE TECH

Published daily, except Sunday, during the college year by students of the Massachusetts Institute of Technology.

Entered as second-class matter, Sept. 15, 1911, at the postoffice at Boston, Mass., under the act of Congress of March 3, 1879.

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Single copies, 2 cents

Subscriptions within the Boston Post District and outside of the United States must be accompanied by postage at the rate of one cent a copy.

All communications should be addressed to the proper departments.

Printed by Rutter, 147 Columbus Ave.

WEDNESDAY, MAY 8, 1912

## EMBARKATION.

More indications of the closing of the year confront us every day. With the announcement of the informal Senior dinner to be held in the Union on Friday evening the last steps are looming up before us. This is a time when the conventional college man is supposed dolefully to recite his tale of woe, and confess to the many opportunities he has wasted. It all sounds very fine until we are in the same boat. How do we look back over our Institute course?

First of all there are few of us who regret that the time has come to leave. That sounds, on the surface, rather contrary to the story books, but on second thought we see it is the highest appreciation that we can show for our four years at Tech. To be sure, there are many sources of enjoyment that we are leaving forever. We have danced in our last Show Chorus, for the last time have seen Junior Prom with the glamour of undergraduate vision, and never again can we spend our afternoons at the Field unselfishly toiling for the glory of Tech. All these peculiarly undergraduate joys we must leave; they will linger in our minds to sweeten future memories of Institute days.

But we did not come to Tech for these things. We came here to train ourselves to take a man's part in the world, and any man who hates to enter the battle is not going to hold up his head for long. That is why the new Tech graduate, while not forgetting the pleasures of Institute life, looks out into the world as a place where he can show himself as a true son of his Alma Mater.

Three of the world's interscholastic records were smashed at the 16th annual Princeton interscholastic meet on May 4th, when Mercersburg Academy won the quarter-mile in 49 1-5 seconds, and the half-mile in 1 minute 55 seconds with J. E. Meredith, and Wenz of Roessle High School lowered the two-mile record of 10 minutes 10 4-5 seconds to 10 minutes 1 2-5 seconds.

W. H. Meanix, of Legate School, won the twenty-first Dartmouth interscholastic track and field meet for his school Saturday, when he took 18 points. He won first in the high and low hurdles and shot-put, second in the hammer and third in the discus. Powder Point and Springfield High were tied for second place with 17.

## STRIKE OF STUDENTS IN NEW HAMPSHIRE ENDED

### Suspended Student Allowed to Return on Probation in Two Weeks.

With the return of about one hundred and fifty insurgent students of the three lower classes of the New Hampshire College yesterday, the strike which has been in progress for the past few days was formally ended. W. H. L. Brackett of the Sophomore class, whose suspension for sounding a false fire alarm led to the strike, will be permitted to resume his studies on May 14. He will, however, be put on probation.

The announcement last Thursday by President W. D. Gibbs of the suspension of Brackett precipitated a strike by the Sophomores, who were joined by the Freshmen in a sympathetic demonstration. The Juniors later swelled the ranks of the strikers, making the total number of men away from classes about one hundred and seventy. The Seniors were advised to stick to their work to avoid jeopardizing their diplomas in June.

A hurried meeting of the trustees of the college Monday resulted in an endorsement of President Gibbs' action. It was decided, however, to modify the penalty by reducing the period of suspension to two weeks, and placing Brackett on probation for the rest of the year.

## COLLEGE TEAMS PLAY.

### Brown and Princeton Have Best Chance for Baseball Title.

The college baseball games to be played this week will practically decide the college championship. Princeton and Brown seem to be the favorites for the position, but Holy Cross, Harvard, or Yale may show unexpected strength. Although Princeton was defeated by Holy Cross last Saturday, this was due chiefly to the fine pitching and batting of Dube, the star Holy Cross twirler. Brown just escaped losing to Colgate Saturday, after piling up a seven-point lead, but by hard playing the Providence team succeeded in preserving their string of victories unbroken.

The big game of the week will be between Princeton and Brown today. The game will probably be a great pitchers' battle between Lear and Conzelman, who are among the best pitchers in the collegiate ranks. If Brown wins she will have the strongest claim to the championship title. After beating Princeton, Holy Cross goes against Harvard Saturday at Worcester. This game will do a lot towards deciding where the Worcester team fits. Yale and Harvard have not shown surprising strength, but are playing better than at the first of the season, and may yet advance to the head of the column.

(Continued from Page 1.)

operator needed to have it repeated five times, each time more slowly than the previous one, before he could get it right. The Navy tries to do all its business with New York and Newport through the air, and while trying requires every ship north of Cape Hatteras to stop sending.

The society plans to have regular business meetings, to which the associated clubs will send representatives, in number according to their importance. Every two months the members of all the clubs will be invited to hear some important speaker.

The society here will hold a meeting Friday, at 4 o'clock, in 11 Eng. B., when the officers for the coming year will be elected. As there is considerable business to be discussed, the usual talk will be omitted.

W. P. I. will enter a team in the N. E. I. C. A. A. meet this year. Keith, the star miler, is expected to make several points for them.

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R. Tower has been elected captain of the Harvard Freshman track team.

A bill is now before the House which will probably do much to prevent future disasters at sea if passed. This bill provides that "all bulkheads shall be inspected every hour"; that "all lifeboats, floats and rafts shall be made of sheet brass" and the "tackle equipment of copper rope with brass pulleys." Make of said sheet brass and copper is not specified, but perhaps it might be pointed out if desired.

John K. Stalkweather of Denver, Col., a member of the present junior class at Brown University, has won the annual prize of \$100 of the Lake Mohonk Conference on "International Arbitration." The prize was donated by Chester D. Pugsley of Peekskill, N. Y.

A scientific expedition to the wilds of the Amazon will take along saws and axes to conciliate the savages. How little we change; for the equivalents of such things were fetched over to the red Indians by our British ancestors something like 300 years ago.

Saturday's track meets were successful in more ways than one, and records were broken right and left. Among the most prominent of the new men to show up was J. E. Meredith, of Mercersburg Academy. At the Princeton interscholastic meet this youngster did 440 yards in 49 1-5, and right afterwards stepped a half mile in 1 minute and 55 seconds. This makes him a candidate for the Olympics, who will be hard to beat.

Tell S. Burna of Cornell was another of the record breakers. In the meet at Penn he beat out McCurdy of Penn, one of the fastest two-milers in the country, by more than 200 yards. He did the distance in 9 minutes 17 4-5 seconds. Next year he is expected to go after Shrubbs' world record of 9 minutes 9 3-5 seconds.

Harvard and Dartmouth meet Saturday in the Stadium in what promises to be one of the best track meets of the season. Last year Dartmouth sprung a surprise and won out, and is figuring on repeating the performance this year. The teams seem to be about even, and some record times are expected.

Wesleyan University defeated Trinity in their dual track meet Saturday, 68 points to 58. Two new college records were broken, Captain Wendell of Wesleyan doing the 120 hurdles in 16 seconds, and Parkinson of Wesleyan putting the shot 40 feet 6 1-3 inches.

Tetzlaff in a 90 horse-power Fiat won the 303-mile automobile road race over the San Monica course Saturday, with an average of 78.50 miles an hour. This is a world's record, the previous mark being 74.63. Bragg and Bruce-Brown, both driving Fiats, were second and third.

The Annapolis Academy Varsity eight defeated the University of Pennsylvania Varsity over a two-mile course on the Severn, Saturday, by more than five lengths in 10 minutes 22 seconds. The Navy Freshmen defeated the Pennsylvania Freshmen over a one-mile course by a length in 7 minutes 47 seconds.

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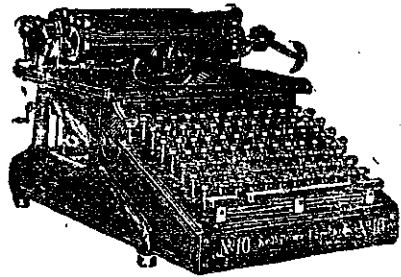
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# THE TECH

VOL. XXXI. NO. 165

BOSTON, MASS., THURSDAY, MAY 9, 1912

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## FINANCE COMMITTEE DINNER TONIGHT

Members Guests of H. L. Coburn  
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Successful.

Mr. H. L. Coburn, '98, will give his annual dinner to the Finance Committee at the Technology Club tonight at 6 o'clock. This will be the last meeting of the year, and all business will be settled up. During the week the treasurers of the various societies have appeared before the committee, and have had their books audited, and reports have been most satisfactory.

The new system which has been introduced this year, of all organizations keeping the same kind of books, has proved to be a good one. Besides being more convenient, the new books permit the societies to get a much better idea of the way in which the officers are doing their work, and makes it practically impossible for one of them to go far astray. The treasurers take pride in presenting a good set of books, and are careful not to make mistakes, therefore the new books present a very different appearance than the old ones.

Mr. G. Marcy, '05, has been elected to take the place of G. Perkins, '99, who has recently resigned.

## COSMOPOLITAN CLUB.

Meeting at Five Today For  
Nomination of Officers.

Today, at 5 o'clock, the Cosmopolitan Club will meet in the Union for the purpose of nominating officers to hold office during the ensuing year. The method of nomination is rather a unique one in that it will be conducted by a committee that has been previously elected. This committee consists of Dean Burton, Wm. Van Antwerp Kemp, B. H. Morash and E. Suzuki. The man nominated will be eligible for election to take place at a later period.

Arrangements are being made now for the final formal meeting of the year, which will take place during the latter part of next week. At this meeting the election of officers will be held and business of importance will come up. The exact arrangements have not yet been made, but they will be announced in the near future.

## SPRINTERS INJURED.

College sprinters seem to be particularly unfortunate this year in the matter of pulling tendons. Among the several who have been already put out of the running for the season are Burns of Brown, Marshall of Penn, and Wilson of the Tech team.

Burns had his accident at Hartford in the meet with Trinity and W. P. I. By keeping out of the meet at the Field Saturday, he probably will be in shape to go into the N. E. I. C. A. A. meet. Wilson ran Saturday but had to drop out, and will be out of the game for the rest of the year. Marshall pulled a tendon at the end of the 100-yard in the Cornell meet, and Mike Murphy will keep him off the track for the rest of the year.

## ATHLETIC ASSOCIATION HOLD LAST MEETING

Letters and Class Numerals Are  
Awarded for Spring and  
Brown Meets.

The Athletic Association held the final meeting of the year in the Athletic office in the Union, yesterday afternoon. Waterman, '13, and W. Bylund, '13, were elected as the Senior members, and A. F. Nye, '14, as the Junior member, to serve as temporary members of the Advisory Council at the beginning of next year.

The T was awarded to H. S. Wilkins, '14, and T. Huff, '14, for performances in the Brown meet. The Association announced the awarding of the A. T. A. to the following men: E. Teeson, '15, third place in high jump, Brown meet; E. Mangan, '12, second place in pole vault, Brown meet; H. S. Wilkins, '14, first place in dashes, Brown meet; L. Best, '15, first place in two-mile, Spring meet; A. B. Curtis, '15, first place in 120 high hurdles, Spring meet; T. H. Huff, '14, first place in 120 high hurdles, Brown meet; L. S. Hall, '14, first place in high jump, Spring meet; E. Conway, third place in shot-put, Brown meet; J. W. Hines, '14, third place in broad jump, Brown meet.

The following men made the class numeral: H. Hadley, '15; A. Crankshaw, '14; W. Spencer, '15; L. Matthews, '13; H. Homan, '15; R. Pollard, '15; C. Lovell, '15; H. Bassett, '15; C. Shea, '15; L. Foster, '15; V. Enebuske, '15; R. Beach, '14; C. Nickerson, '14, and R. Baker, '15.

## RIFLE MATCH SATURDAY.

Institute Men Will Compete For  
Intercollegiate Title.

With the prospects of being the next intercollegiate rifle champions, the rifle team has been practicing their hardest for the intercollegiate meet next Saturday at Waltham. The club held a long practice session Tuesday, and the results of the scores showed the remarkable progress which the team has made in the last few weeks. Captain Rudolf, Williams and Haslam has been shooting consistently at every practice, and much of the success of the team will depend on their keeping up their previous good work.

The makeup of the rest of the team will be definitely decided on at the last practice on Friday. Lieutenant Williams of Waltham will have charge of the meet.

The strongest competitors of the Institute will be the six from the Massachusetts Agricultural College. This team now holds the championship, and has been doing some remarkable shooting. The scores of the Tech team, however, compare well with theirs, and they think they have a good chance to get the largest score.

There will be no drill next Wednesday. Government inspection will take place next Thursday at 3 o'clock. Thursday classes which conflict with this arrangement will be held on Wednesday, and the Wednesday classes will be held over to Thursday.

## CATHOLIC CLUB ENDS SEASON LAST NIGHT

Dinner at Copley Square Hotel  
Big Success—L. S. Walsh  
Elected President.

Fifty members of the Catholic Club gathered for their annual banquet last night at the Copley Square Hotel. The results of the election of officers for the coming year were announced soon after the dinner had started. Louis S. Walsh, '13, is the new president; R. Richard, '13, is the vice-president, and Leo F. Walsh, '14, is the secretary-treasurer. The members of the Executive Committee are L. A. Hartnett, J. R. Masferrer, '14, and V. O'Keefe, '15.

After the men had finished the dinner L. S. Walsh spoke of the opportunities that lay before the Catholic Club in educating the people of Boston so that they might understand that science and Catholicism can exist together. At present some cannot see how belief in the Catholic faith can exist in one studying science. Even educators do not appreciate the fact that Catholics have as great and as well founded an interest in science as have other men. He then spoke of the plans for the coming year. He wishes to surpass this year's record of an average attendance of sixty, and he expects to do so by having a program committee to assist in obtaining speakers.

Then Father Scanlon spoke of the work of the club. He said that since its organization it had been performing a great service in helping men of Catholic faith to play their proper part here. Since his connection with the club he has endeavored to have speakers who will tell the men of the relations that exist between Catholicism and the sciences in which they are interested. Father Scanlon reminded the men that the founders of the sciences were for the most part ardent Catholics, citing as examples such men as Ampere and Galileo. He said that the apologetic attitude which many Catholics take toward the interest shown by the workers of the Church in science was unreasonable and wrong. He said that it was the duty of the club here to show the world the true feeling of the Church.

As Father Scanlon finished his talk the speaker of the evening, the Hon. David Walsh, arrived. Father Scanlon said that he was an example of the Catholic man in public life, an example of a man who is straightforward and who has the courage of his convictions. Mr. Walsh spoke first of the tremendous responsibility that rests upon the Catholic man who is in a public office. He said that the call to public life was similar to a life as a priest; it called for the forgetting of one's self, and demanded that one render service to one's fellow-men. Upon the conduct of Catholic men now being called to high public office rests the responsibility for the proper direction of the interest that the Church is now taking in politics.

He then said that he regretted that the members of the club were not being trained in a Catholic college, for he believes men should be trained to "look up," in the end the definition of a man being "one who looks up." Today the world is beginning to ask more than "How much brains have you?" It is asking how much of a

(Continued to Page 2.)

## LAST MEETING OF YEAR FOR INSTITUTE COM.

New Point System Committee  
Suggested—Temporary  
Elections.

At the last meeting of the year for the Institute Committee, held yesterday afternoon, the various committees made the final report for the year. The Point System Committee recommended that hereafter the committee consist of three members, a Senior, a Junior and a Sophomore, the former to be a member of the Executive Committee, and the other two men members of the Institute Committee. It was suggested that the Senior be chairman of the Point System Board, that the Junior send out notices to all men over points, and that the Sophomore take charge of the clerical work. The recommendation was accepted and was incorporated in the minutes.

It was announced that Concerning M. I. T. will be ready about the first of August. The book will be similar to the one issued two years ago, except that it will be made up to date, and will have a different colored cover. The resignation of D. F. Bellow as business manager of Concerning M. I. T. was accepted, and A. F. Brewer was elected to take his place. Mr. Brewer is qualified for the position by his experience on Technique, 1913, of which he was assistant business manager.

A motion was passed that a meeting be called at the opening of the next term, which the secretaries of all the societies should attend, and decide definitely about the size of the uniform minute book.

A motion was passed that a prize of twenty-five dollars be given to the successful author of next year's Tech Show. The appointment of R. W. Weeks as general manager of next year's Show was ratified by the committee.

At the election of temporary officers for next year H. D. Peck was unanimously elected president; L. C. Hart, '13; G. W. White, '14; J. J. Strachan, '13; E. Germain, '13, and R. C. Thomson, '13, were also nominated.

Hart, White, Germain and Thomson were elected to serve as the temporary executive committee for next fall. A vote of thanks was extended to the officers of the committee.

A motion was passed that all matters that have been taken up this year be compiled and published in an early issue of THE TECH.

Cummings of Harvard has shown lots of speed in the hurdles.

## THE WEATHER.

Forecast for Boston and vicinity:  
Thursday unsettled; moderate variable winds.

## CALENDAR.

In Charge of S. H. Taylor, 1914.

Thursday, May 9.

1.30—Special T. C. A. Meeting.

4.00—Biological Meeting—Pierce.

Friday, May 10.

6.30—Senior Dinner—Union.

8.00—Arch. Eng. Smoker.

Saturday, May 11.

Freshman-Sophomore Series Opens  
—Field.

# SENIOR PORTFOLIO OUT FRIDAY MAY 10

# THE TECH

Published daily, except Sunday, during the college year by students of the Massachusetts Institute of Technology.

Entered as second-class matter, Sept. 16, 1911, at the postoffice at Boston, Mass., under the act of Congress of March 3, 1879.

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Subscriptions within the Boston Post District and outside of the United States must be accompanied by postage at the rate of one cent a copy.

All communications should be addressed to the proper departments.

Printed by Rutter, 147 Columbus Ave.

THURSDAY, MAY 9, 1912

### THE INSTITUTE COMMITTEE.

In reviewing the year's course of Institute life the work of the Institute Committee stands out as deserving highest recommendation. The meeting yesterday afternoon concludes a period of fruitful activity, and gives promise of preparations for similar excellent service next year.

It is of course impossible that a group of men whose time is so fully occupied as the members of the Institute Committee should be able to give the matters coming under their jurisdiction attention as complete and efficient as if their main duty were in that direction. Also since the most capable and popular men are elected to this committee, their time and attention is sure to be filled by a multitude of other outside interests. For these reasons the work must be apportioned among various sub-committees, and unless the responsibility is more direct than in most such cases, many matters must of necessity become sidetracked.

The Institute Committee, however, has throughout this year shown an admirable faculty of attending to its duties with despatch and orderliness. It has filled a large place in the machinery of Tech undergraduate activities, and through them the activities must look for future benefits. It is a regrettable fact that the student body is less a unit here than in most colleges, due largely to the separation into courses and the large number of men living in the city whose sole connection with Tech is their studies. Consequently all our activities are confronted with a situation of unusual severity, and the greatest hope of success lies in co-operation. It is to supply this connecting link between all undergraduate organizations, to preserve the wholesomeness and many-sidedness of development that the Institute Committee finds its greatest usefulness.

In recognition of the signal success of the committee in this direction during the past year we wish to congratulate Chairman Kebbon. Also we extend our best wishes to Mr. Peck, and we feel confident that he will inaugurate another year of increasing usefulness.

The last meeting of the Mining Engineering Society, which was scheduled to be held in the Union last night, has been postponed to next Wednesday night.

### DARTMOUTH MEETS HARVARD SATURDAY

#### One of Closest Track Meets of Season Expected in Stadium Saturday.

One of the best track meets of the season is promised when Dartmouth meets Harvard in the Stadium Saturday. Last year Dartmouth surprised the athletic world by winning when Harvard was sure of coming out on top. This year they go into the meet with even better men than they had last year, and the Crimson athletes will have to do their best to win.

The hundred yard dash is sure to be done in ten seconds, with Russell of Dartmouth running against Tower and Foley of Harvard. Gardner and Steinhert of Dartmouth may be depended on to do near 50 seconds, but do not seem to be as good as some of the Harvard men.

Marceau and Harmon of the Green team are among the best milers in New England, and are expected to beat out Warren of Harvard. P. Whittington of Harvard looks to be the fastest two-miler, but Ball and Clark of Dartmouth have shown lots of speed.

The weight events will be the big features of the meet. Tilley of Dartmouth has been getting a longer distance than Cable of Harvard, and he is expected to take the first place in this event. Patchelder of Harvard and Whitney and Lovejoy of Dartmouth will contest the shot-put. Harvard has the better broad jumpers, but is not so strong in the pole vault. Gardner is doing the hurdles in fine shape and may win both the timber events for the Cambridge team.

### CATHOLIC CLUB.

(Continued from Page 1, Col. 3.) heart, how much of a conscience have you?" One does not get a trained heart and a trained conscience in the school and from one's daily life; it is the duty of religion to undertake this training. Mr. Walsh said that he thought that the Catholic Church was at the present time the only church active in this work. The Catholic man enters life with a trained heart and a trained conscience, and with them he appreciates that striving for a material goal is not the highest aim of life. When a decision rests with him, if necessary, he goes to a law higher than any man has made, and one with which he is familiar.

Mr. Walsh then showed how the Catholic in public office could extend this point of view into the actions of government. The government should no more strive for material or commercial superiority than the individual.

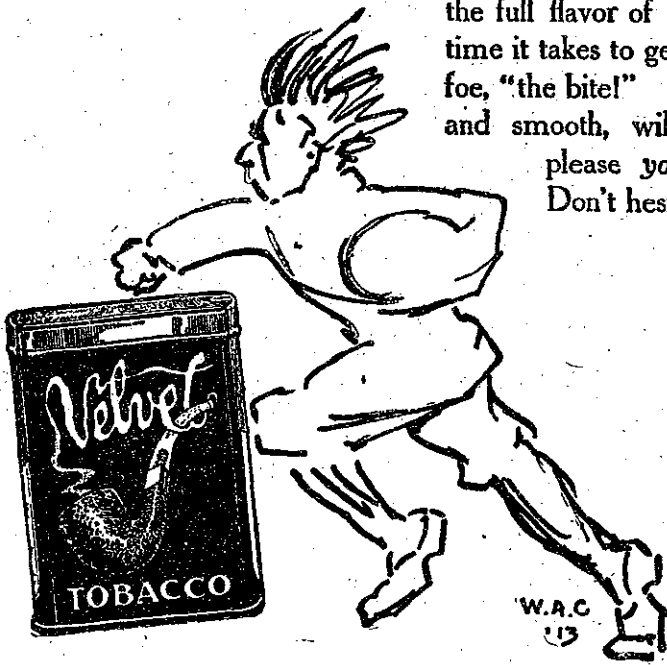
It should decide its questions by appeal to the higher law, for there it will find the solution of all the problems of the day. It is a question today whether we shall have as our political ideal commercialism or humanitarianism. It becomes the duty of every voter to decide that question, and with his trained heart and conscience the Catholic man is able to vote right.

After Mr. Walsh had finished the Seniors who are members of the club were called upon to speak. Schmiecke, the past president, gave an outline of the work of the past year and thanked the men for their co-operation. He said that the club is useful in that it sustains the interest that the men have in their faith, and draws men on the border line into touch with people who are in sympathy with them. It is the power of a big club to draw more men that makes worth while the social functions of the club. He said that the only thing that he was sorry for was that not every Catholic in the Institute was there. He wished that the meetings might be "catholic," might draw every member of the church to every affair.

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# SPIKES

Brown has at last lost the first baseball game of the season. Cornell took them into camp by a score of 3 to 1.

Syracuse University defeated Columbia in their dual track meet, Saturday, by 67 1-6 points to 58 5-6. Captain Reidpath equaled the intercollegiate 440-yard record of 48 4-5 seconds.

The University of Maine won its dual track meet with Colby College Saturday, 76 points to 50. Nardine of Colby won the 100 in 10 seconds, and Bailey made a new University of Maine record in the hammer throw with 136 feet.

The University of Pennsylvania defeated Cornell in their dual track meet, Saturday, 68 points to 49. T. S. Berna of Cornell won the two-mile run in 9 minutes 17 4-5 seconds. This breaks his own intercollegiate record of 9 minutes 25 1-5 seconds.

The Phillips Exeter Academy track team defeated the Harvard Freshmen in their dual track meet Saturday, 56 1-6 to 51 5-6 points. Camp of Harvard and Teschner of Exeter were the individual stars, each winning two events.

Bartlett of Brown is one of the best all-round weight men that has been seen in this city. He is only a Freshman, and may be expected to give any of the present champions a contest in another year.

Captain Miles of Amherst is showing up strong in the 100-yard dash. He was credited with 10 flat in the meet with Williams. Besides being a sprint man, he is also good at the discus and a fair pole vaulter.

Cable of Harvard and Tilley of Dartmouth will fight it out in the hammer throw in the Stadium Saturday.

### N. E. I. C. A. A. MEDALS.

The medals to be given at the N. E. I. C. A. A. meet this year will have many improvements over those given in former years. Not only will the medals be of better quality, but the way in which they are cased will be improved. Instead of being in a paper box they will be in beautiful Russian leather boxes, with plush lining and gold clasp. The medals will be placed on silk watch fobs with gold trimmings.

The officials' badges will also be much better than formerly. Each badge consists of a top bar, with the name of the office, and a regular N. E. I. C. A. A. medal on a ribbon below it.

### COLLEGIATE AERO MEET.

Cornell won the first intercollegiate dual aero club meet ever held in this country from the Dartmouth Aero Club by 2 1/2 points to 1 1/2. With the score a tie, the meet was awarded to Cornell for endurance. Dartmouth used a Whiteman glider and the Cornell men used a biplane with mechanical controls. The Dartmouth biplane rose to a height of 90 feet, but the operator lost control of his machine and fell to the ground.

The Cornell biplane, No. 1, made a remarkable exhibition, flying 350 feet and landed within 20 feet of the finish mark. The Cornell monoplane traveled nearly 400 feet, and at times rose to a height of 50 feet.

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**PRECISION OF MEASUREMENTS.**  
 At the request of a number of students who failed to hand in problems in Precision of Measurements at the assigned time, a second set of problems has been posted in Room 16, which if solved and handed in on or before Saturday, May 18, will remove the mark of D (deficient) which will otherwise be returned with the record on the term work and final examination.

At 4 o'clock last Friday the Sophomore architects ended their first honest-to-goodness "esquisse esquisse." This sketch problem was an "Entrance to an Art Club," to be done in three days.

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